

- 10 -

CLAIMS

1. Process for manufacturing a continuous yarn, in which a multiplicity of continuous filaments is formed by the mechanical drawing of a multiplicity of streams of molten thermoplastic(s) and these filaments are gathered into at least one yarn, characterized in that the tension exerted by a combination of some or all of these filaments is permanently monitored by detecting the transition of this tension below a predetermined value.
2. Process according to Claim 1, characterized in that the monitored tension is exerted by the said combination of filaments on a castor having a peripheral groove in which they are engaged.
- 10 *Suba* 3. Process according to Claim 1 or 2, characterized in that the said combination of filaments is linked to a lever in such a way that the latter pivots when the monitored tension passes below the said predetermined value, a magnetic detector then being actuated.
- 15 4. Process according to Claim 1 or 2, characterized in that the tension is monitored by means of a strain gauge working in bending.
5. Process according to Claim 1 or 2, characterized in that the tension is monitored by means of a strain gauge working in torsion.
6. Process according to one of Claims 1 to 5, characterized in that the
- 20 filaments are made exclusively of glass.
7. Process according to one of Claims 1 to 5, characterized in that the filaments are made of glass and of at least one second thermoplastic.

adda²